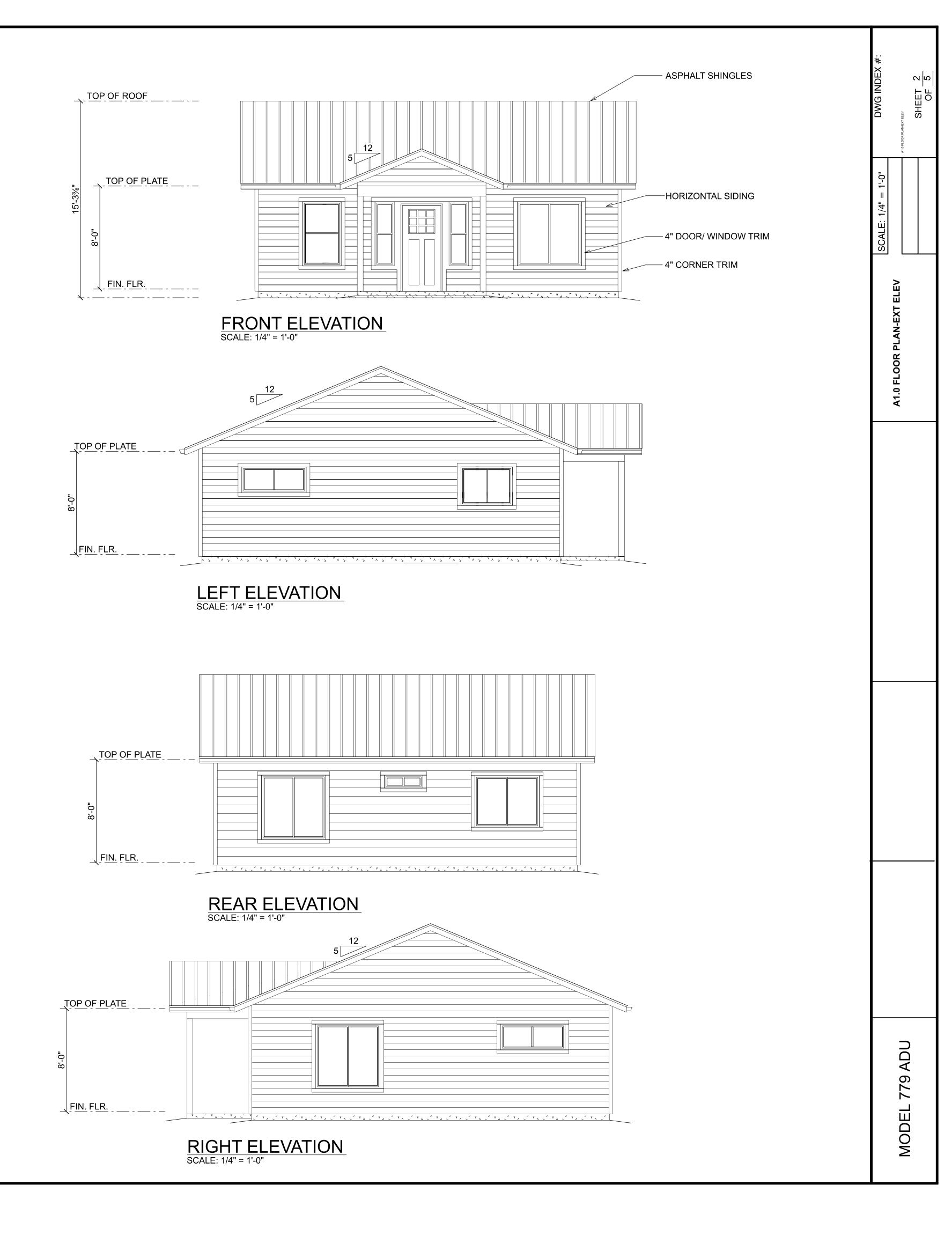
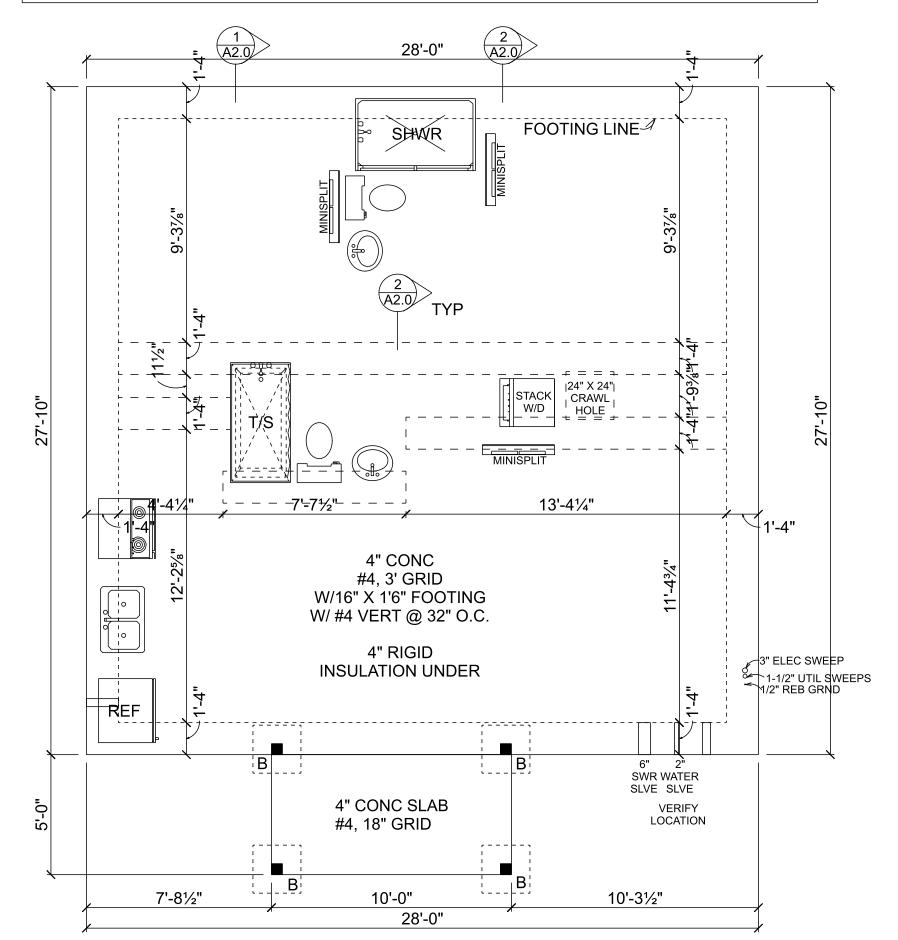


FLOOR PLAN
SCALE: 1/4" = 1'-0"



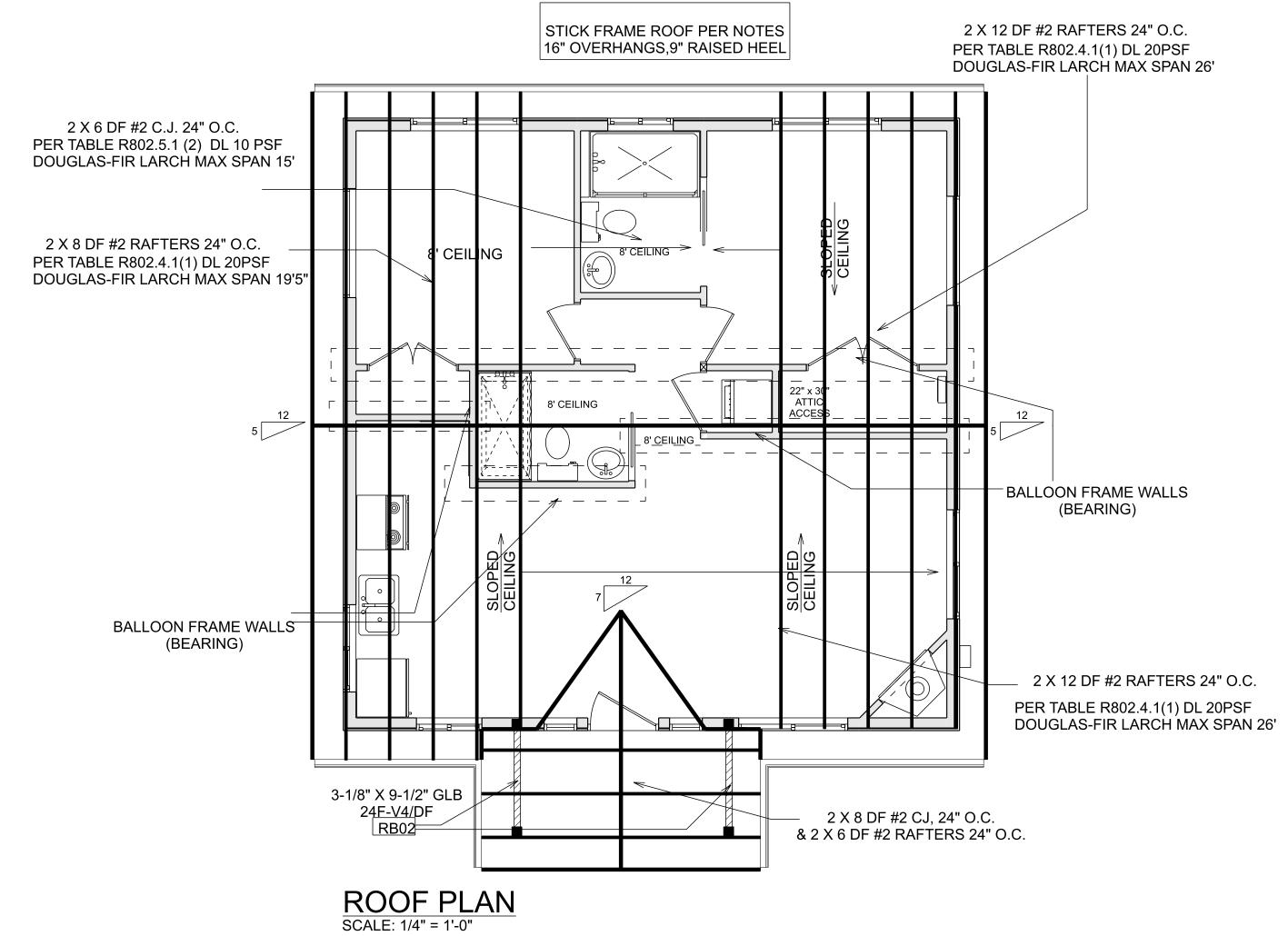
CONCRETE FOOTING TABLE				
SYMBOL	SIZE	BAR	POST	
Α	16" X 16" X 6"	2 EA. #4 E.W.	4 X 4	
В	24" X 24" X 8"	2 EA. #4 E.W.	4 X 4, 4 X 6, OR 6 X 6	
С	30" X 30" X 12"	3 EA. #4 E.W.	4 X 6, OR 6 X 6	
D	36" X 36" X 12"	4 EA. #4 E.W.	4 X 6, OR 6 X 6	
E	42" X 42" X 12"	5 EA. #4 E.W.	6 X 6, OR 6 X 8	

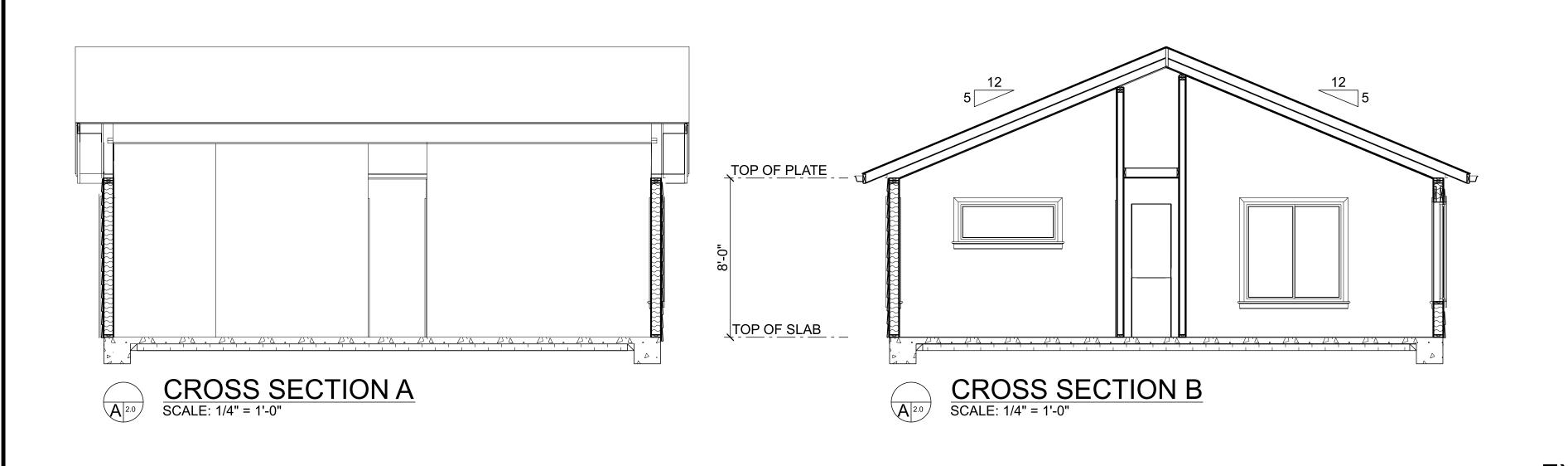


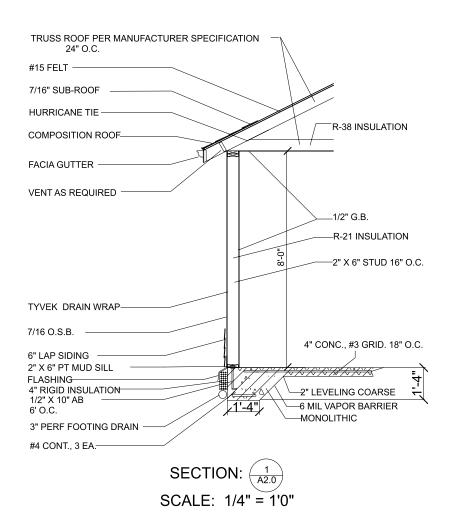
SLAB FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

TYP HEADER SCHEDULE SINGLE STORY NO POINT LOADS			LOADS
LENGTH	SIZE/TYPE	HIP	GABLE
3'-4'	4 X 8 DF #2	Х	
	4 X 6 DF #2		X
4'-6'	4 X 10 DF #2	Х	
	4 X 8 DF #2		X
6' - 8'	4 X 12 DF #2	Х	
	4 X 10 DF #2		X
	LENGTH 3'-4' 4'-6'	LENGTH SIZE/TYPE 3'-4' 4 X 8 DF #2 4 X 6 DF #2 4'-6' 4 X 10 DF #2 4 X 8 DF #2 4 X 8 DF #2 4 X 8 DF #2	LENGTH SIZE/TYPE HIP 3'-4' 4 X 8 DF #2 X 4 X 6 DF #2 X 4'-6' 4 X 10 DF #2 X 4 X 8 DF #2 X 6' - 8' 4 X 12 DF #2 X

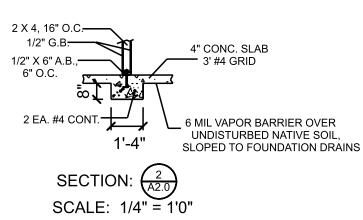
ROOF NOTES:







EXT WALL, SS, SLAB, 4IN RIGID INSULATION
SCALE: 1/4" = 1'-0"

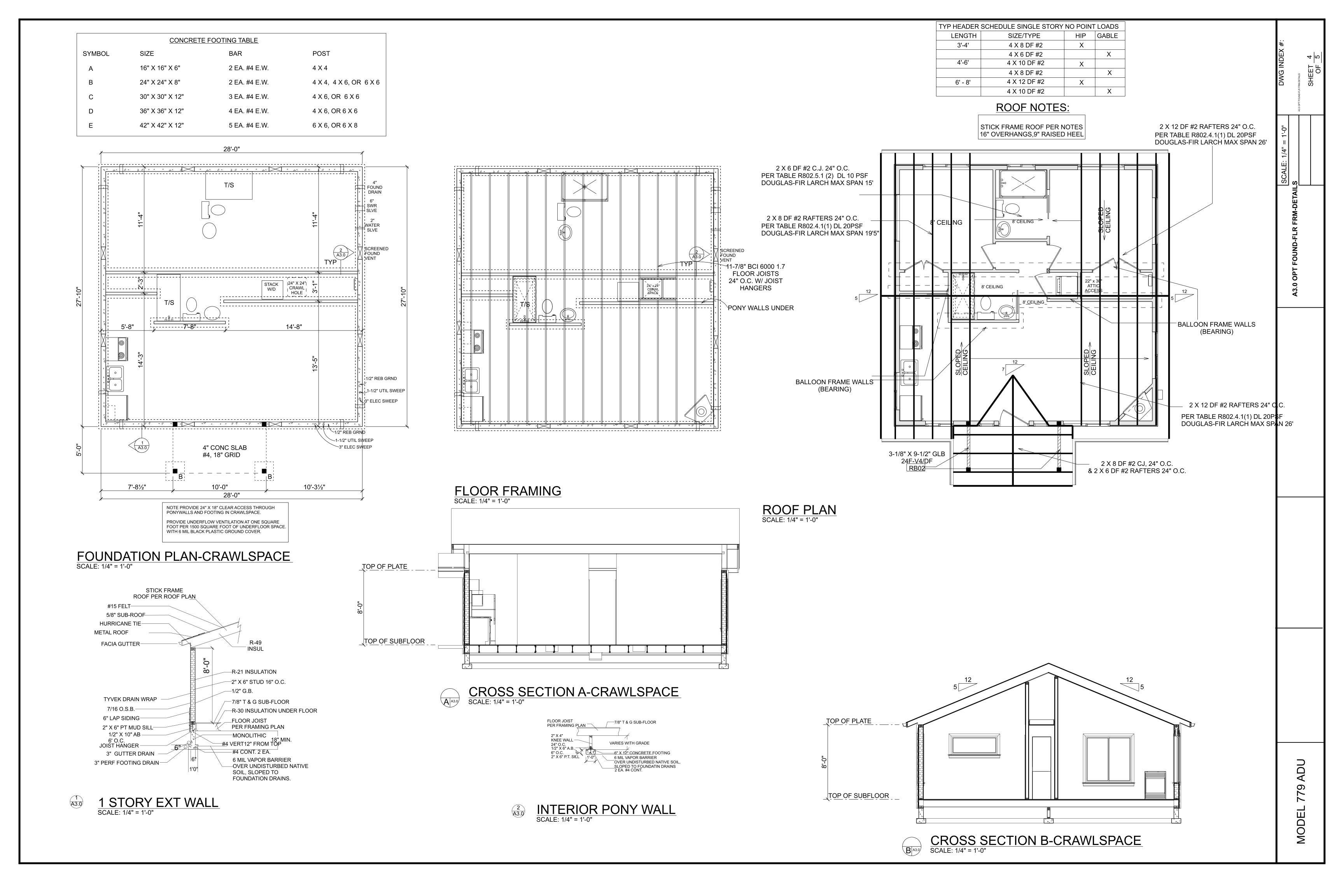


THICKENED SLAB
SCALE: 1/4" = 1'-0"

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SECTION R602.10.1: BRACED WALL LINES

BRACED WALL LINES SHALL CONSIST OF BRACED WALL PANEL CONSTRUCTION METHODS IN ACCORDANCE WITH SECTION R602.10.3, SECTION R602.10.5 and/or SECTION R602.10.6. WHEN USING THE WALL-BRACING METHOD OF SECTION R602.10.5, ALL THE LEVELS OF THE STRUCTURE IN THE SAME VERTICAL PLAN SHALL BE BRACED USING THE WALL BRACING METHOD IN SECTION R602.10.5. THE AMOUNT AND LOCATION OF BRACING SHALL BE IN ACCORDANCE WITH TABLES R602.10.3(1) OR R602.10.3(2) AND THE AMOUNT OF BRACING SHALL BE THE GREATER OF THAT REQUIRED BY THE SEISMIC DESIGN CATEGORY OR THE DESIGN WIND SPEED. BRACED WALL PANELS SHALL BEGIN NO MORE THAN 8 FEET (2438 mm) FROM EACH END OF A BRACED WALL LINEAND SHALLBE SUBJECT TO THE LIMITATIONS OF SECTION R602.10.11. BRACED WALL PANELS THAT ARE COUNTED AS PART OF A BRACED WALL LINE SHALL BE IN LINE, EXCEPT THAT HORIZONTAL OFFSETS OUT-OF-PLANE OF UP TO 4 FEET (1219 mm) SHALL BE PERMITTED PROVIDED THAT THE TOTAL OUT-TO-OUT OFFSET DIMENSION IN ANY BRACED WALL LINE IS NOT MORE THAN 8 FEET (2438 mm). EXTERIOR BRACED WALL LINES SHALL ALIGN WITH EXTERIOR WALLS SUPPORTED BY AN APPROVED FOUNDATION EXCEPT THAT HORIZONTAL OFFSETS OUT-OF-PLAN SHALL BE PERMITTED AS ALLOWED IN SECTION R301.2.2.2.2(1) EXCEPTIONS. INTERIOR BRACED WALL LINES ARE NOT REQUIRED TO ALIGN WITH AN APPROVED FOUNDATION. BRACED WALL LINES GREATER THAN 12 FEET (3657 mm) IN LENGTH SHALL HAVE A MINIMUM OF TWO BRACED WALL PANELS.

SECTION R602.10.3: BRACED WALL PANEL CONSTRUCTION METHODS

THE CONSTRUCTION OF BRACED WALL PANELS SHALL BE IN ACCORDANCE WITH ONE OF THE FOLLOWING METHODS: (NOTE: FOR METHODS 1,2,4,6, & 7 REFER TO CODE BOOK)

- 3. WOOD STRUCTURAL PANEL SHEATHING WITH A THICKNESS NOT LESS THAN 5/16 INCH FOR 16-INCH STUD SPACING AND NOT LESS THAN 3/8 INCH FOR 24-INCH STUD SPACING. WOOD STRUCTURAL PANELS SHALL BE ATTACHED TO STUDS IN ACCORDANCE WITH TABLE R602.3(1).
- 5. GYPSUM BOARD WITH MINIMUM 1/2-INCH THICKNESS PLACED ON STUDS SPACED A MAXIMUM OF 24 INCHES ON CENTER AND FASTENED AT THE EDGE OF THE PANEL AT 7 INCHES ON CENTER WITH THE SIZE NAILS SPECIFIED IN TABLE R602.3(1) FOR SHEETING AND TABLE R702.3.5 FOR INTERIOR GYPSUM BOARD FASTENING SCHEDULE AS OUTLINED BELOW

13 GAGE, 1-3/8" LONG, 19/64" HEAD; 0.098 DIAMETER, 1-1/4" LONG, ANNULAR-RINGED; 5D COOLER NAIL, 0.086 DIAMETER, 1-5/8" LONG, 15/64" HEAD; OR GYPSUM BOARD NAIL, 0.086 DIAMETER, 1-5/8" LONG, 9/32" HEAD.

SCREWS TO BE MAXIMALLY SPACED AT 12" O.C., TYPE S OR W PER ASTM C 79 AND SHALL BE SUFFICIENTLY LONG TO PENETRATE WOOD FRAMING NOT LESS THAN 5/8" AND METAL FRAMING NOT LESS THAN 3/8".

SECTION R602.10.4: 48" MINIMUM BRACED WALL PANEL

FOR CONSTRUCTION METHOD 3 (REFER TO SECTION R602.10.3), EACH BRACED WALL PANEL SHALL BE AT LEAST 48 INCHES IN LENGTH, COVERING A MINIMUM OF THREE STUD SPACES WHERE STUDS ARE SPACED 16 INCHES ON CENTER AND COVERING A MINIMUM OF TWO STUD SPACES WHERE STUDS ARE SPACED 24 INCHES ON CENTER. FOR METHOD 5, EACH BRACED WALL PANEL SHALL BE AT LEAST 96 INCHES IN LENGTH WHERE APPLIED TO ONE FACE OF A BRACED WALL PANEL AND AT LEAST 48 INCHES WHERE APPLIED TO BOTH FACES.

EXCEPTIONS:

- 1. LENGTHS OF BRACED WALL PANELS FOR CONTINUOUS WOOD STRUCTURAL PANEL SHEATHING SHALL BE IN ACCORDANCE WITH SECTION R602.10.5.
- 2. LENGTHS OF ALTERNATE BRACED WALL PANELS SHALL BE IN ACCORDANCE WITH SECTION R602.10.6.

SECTION R602.10.5: CONTINUOUS STRUCTURAL PANEL SHEATHING

WHEN CONTINUOUS WOOD STRUCTURAL PANEL SHEATHING IS PROVIDED IN ACCORDANCE WITH METHOD 3 OF SECTION R602.10.3. ON ALL SHEETABLE AREAS OF ALL EXTERIOR WALLS, AND INTERIOR BRACED WALL LINES, WHERE REQUIRED, INCLUDING AREAS ABOVE AND BELOW OPENINGS, BRACED WALL PANEL LENGTHS SHALL BE IN ACCORDANCE WITH TABLE R602.10.5. ALL VERTICAL AND HORIZONTAL PANEL EDGES, REGARDLESS OF LOCATION ALONG A GIVEN BRACED WALL LINE, SHALL BE BLOCKED AND EDGES NAILED. WHEN THIS METHODOLOGY IS UTILIZED, THE MINIMUM LENGTH TO BE CONSIDERED A QUALIFYING BRACED PANEL SHALL COMPLY WITH TABLE R602.10.5. WOOD STRUCTURAL PANEL SHEATHING AT CORNERS SHALL BE INSTALLED IN ACCORDANCE WITH FIGURE R602.10.5. THE BRACING AMOUNTS IN TABLE R602.10.1 FOR METHOD 3 SHALL BE PERMITTED TO BE MULTIPLIED BY A FACTOR OF 0.9 FOR WALLS WITH A MAXIMUM OPENING HEIGHT THAT DOES NOT EXCEED 85 PERCENT OF THE WALL HEIGHT OR A FACTOR OF 0.8 FOR WALLS WITH A MAXIMUM OPENING HEIGHT THAT DOES NOT EXCEED 67 PERCENT OF THE WALL HEIGHT AS PER TABLE R602.10.3(2).

SECTION R602.10.6: ALTERNATE BRACED WALL PANELS

ALTERNATE BRACED WALL PANELS CONSTRUCTED IN ACCORDANCE WITH ONE OF THE FOLLOWING PROVISIONS SHALL BE PERMITTED TO REPLACE EACH 4 FEET OF BRACED WALL PANEL AS REQUIRED BY SECTION R602.10.4:

(EXCEPTION 1: WHEN ALTERNATE BRACED PANELS ARE REQUIRED TO BE SHEATHED ON BOTH FACES, WALLS MAY BE BRACED ON ONE SIDE OF THE WALL ONLY WHEN THE PANEL THICKNESS IS INCREASED TO A NOMINAL 1/2-INCH STRUCTURAL SHEATHING THICKNESS AND THE NAIL SPACING AT THE EDGE OF PANEL IS REDUCED TO 3 INCHES ON CENTER.)



1. IN ONE-STORY BUILDINGS, EACH PANEL SHALL HAVE A LENGTH OF NOT LESS THAN 32 INCHES AND A HEIGHT OF NOT MORE THAN 10 FEET. EACH PANEL SHALL BE SHEATHED ON ONE FACE WITH 3/8-INCH-MINIMUM-THICKNESS WOOD STRUCTURAL PANEL SHEATHING NAILED WITH 8d COMMON OR GALVANIZED BOX NAILS IN ACCORDANCE WITH TABLE R602.3(1) AND BLOCKED AT ALL WOOD STRUCTURAL PANEL SHEATHING EDGES. TWO ANCHOR BOLTS INSTALLED IN ACCORDANCE WITH FIGURE 403.1(1) OR APPROVED EQUIVALENT SHEAR CONNECTORS SHALL BE PROVIDED IN EACH PANEL. WHERE EACH PANEL IS SUPPORTED DIRECTLY ON A FOUNDATION OR ON FLOOR FRAMING SUPPORTED DIRECTLY ON A FOUNDATION, EACH PANEL END STUD SHALL HAVE A TIE-DOWN DEVICE FASTENED TO THE FOUNDATION, CAPABLE OF PROVIDING AN UPLIFT CAPACITY OF AT LEAST 1,800 POUNDS. THE TIE-DOWN DEVICE SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. THE FOUNDATION WALL AND FOOTING SHALL BE REINFORCED WITH A MINIMUM OF TWO NO. 4 HORIZONTAL BARS, ONE LOCATED AT THE TOP OF THE WALL AND ONE LOCATED A MINIMUM OF 3 INCHES FROM THE BOTTOM OF THE FOOTING [OR TWO NO. 4 HORIZONTAL BARS LOCATED A MINIMUM OF 3 INCHES FROM THE BOTTOM OF THE FOOTING EXTENDING NOT LESS THAN 5 FEET EACH WAY FROM THE CENTER OF THE PANEL WITH NO. 4 VERTICAL BARS SPACED NOT MORE THAN 24 INCHES ON CENTER. WHEN THE CONTINUOUS FOUNDATION IS REQUIRED TO HAVE A DEPTH GREATER THAN 12 INCHES, A MINIMUM 12-INCH-BY-12-INCH CONTINUOUS FOOTING OR TURNED DOWN SLAB EDGE IS PERMITTED AT DOOR OPENINGS IN THE BRACED WALL LINE. THIS CONTINUOUS FOOTING OR TURNED DOWN SLAB EDGE SHALL BE REINFORCED WITH NOT LESS THAN ONE NO.4 BAR TOP AND BOTTOM. THIS REINFORCEMENT SHALL BE LAPPED 15 INCHES WITH THE REINFORCEMENT REQUIRED IN THE CONTINUOUS FOUNDATION LOCATED DIRECTLY UNDER THE BRACED WALL LINE.



2. IN THE FIRST STORY OF TWO-STORY BUILDINGS, EACH BRACED WALL PANEL SHALL BE IN ACCORDANCE WITH R602.10.6.(1), EXCEPT THAT THE WOOD STRUCTURAL PANEL SHEATHING SHALL BE PROVIDED ON BOTH FACES, SHEETING EDGE NAILING SPACING SHALL NOT EXCEED FOUR INCHES ON CENTER, THREE ANCHOR BOLTS OR APPROVED EQUIVALENT SHEAR CONNECTORS SHALL BE PROVIDED, AND TIEDOWN DEVICE UPLIFT CAPACITY SHALL NOT BE LESS THAN 3,000 POUNDS. (SEE EXCEPTION)



3. IN THE SECOND STORY OF A THREE-STORY BUILDING, EACH PANEL SHALL HAVE A MINIMUM WIDTH OF 32 INCHES AND A MAXIMUM HEIGHT OF 10 FEET. EACH PANEL SHALL BE SHEATHED ON BOTH FACES WITH 3/8-INCH MINIMUM THICKNESS WOOD STRUCTURAL PANEL SHEATHING NAILED WITH 8d COMMON OR GALVANIZED BOX NAILS IN ACCORDANCE WITH TABLE R602.3(1) AND BLOCKED AT ALL EDGES. EACH PANEL END STUD SHALL BE CONNECTED TO AN EQUIVALENT CROSS SECTION OF STUD IN THE WALL BELOW WITH A CORROSION-RESISTANT STEEL TIE STRAP OR HOLD-DOWN CAPABLE OF PROVIDING AN APPROVED UPLIFT CAPACITY OF NOT LESS THAN 3,000 POUNDS. REINFORCEMENT OF THE FOUNDATION IS NOT REQUIRED WHEN ALTERNATE BRACED PANELS ARE SUPPORTED BY A BRACED PANEL. (SEE EXCEPTION)



4. IN THE TOP STORY OF A TWO-STORY OR THE TOP STORY OF A THREE-STORY BUILDING, EACH PANEL SHALL HAVE A MINIMUM WIDTH OF 32 INCHES AND A MAXIMUM OF 10 FEET IN HEIGHT. EACH PANEL SHALL BE SHEATHED ON ONE FACE WITH 3/8-INCH MINIMUM THICKNESS WOOD STRUCTURAL PANEL SHEATHING NAILED WITH 8d COMMON OR GALVANIZED BOX NAILS IN ACCORDANCE WITH TABLE R602.3(1) AND BLOCKED AT ALL EDGES. EACH PANEL END STUD SHALL BE CONNECTED TO AN EQUIVALENT CROSS SECTION OF STUD IN THE WALL BELOW WITH CORROSION-RESISTANT STEEL TIE STRAP OR HOLDDOWN CAPABLE OF PROVIDING AN APPROVED UPLIFT CAPACITY OF NOT LESS THAN 1,800 POUNDS. REINFORCEMENT OF THE FOUNDATION IS NOT REQUIRED WHEN ALTERNATE BRACED PANELS ARE SUPPORTED BY A BRACED PANEL.

SECTION R 602.10.9: INTERIOR BRACED WALL SUPPORT



BUILDINGS LOCATED IN SEISMIC DESIGN CATEGORY D1: INTERIOR BRACED WALL LINES SHALL BE SUPPORTED ON CONTINUOUS FOUNDATIONS AT INTERVALS NOT EXCEEDING 70 FEET. BRACED WALL PANELS LOCATD IN INTERIOR BRACED WALL LINES AT LESS THAN 70-FOOT INTERVALS SHALL BE SUPPORTED BY DOUBLE FLOOR JOISTS OR BLOCKING BETWEEN FLOOR JOISTS. WHERE FLOOR JOISTS ARE PERPENDICULAR TO THE BRACED WALL LINE, BLOCKING SHALL BE PROVIDED FOR THE LENGTH OF BRACED PANEL AND SHALL EXTEND TO THE NEXT AVAILABLE JOIST BELOW FOR BRACED PANELS WHOSE ENDS ARE NOT ALIGNED WITH JOISTS BELOW. THE LENGTH TO WIDTH RATIO OF THE HORIZONTAL DIAPHRAGM SUPPORTING INTERIOR BRACED WALL LINES SHALL NOT EXCEED 4 TO 1. FOR ALTERNATE BRACED PANELS, PROVIDE DOUBLE JOISTS OR DOUBLE BLOCKING AT THE END OF PANELS.

INTERIOR BRACED WALL LINES ARE NOT REQUIRED TO ALIGN VERTICALLY WITH INTERIOR BRACED WALL LINES ON ADJACENT STORIES. INTERIOR BRACED WALL LINES ARE REQUIRED TO EXTEND TO PERPENDICULAR EXTERIOR BRACED WALL LINES. INTERIOR BRACED WALL LINES SHALL CONSIST OF BRACED WALL PANELS WHICH MEET THE PERCENTAGE REQUIREMENT SET FORTH IN TABLE R602.10.3(1) OR TABLE R601.10.3(2) BUT NOT BE SUBJECT TO THE SPACING REQUIREMENT SET FORTH IN THESE TABLES. INTERIOR BRACED WALL PANELS SHALL BEGIN WITHIN 8 FEET FROM EACH END OF AN INTERIOR BRACED WALL LINE.

EXCEPTION:

INTERIOR BRACED WALL PANELS AT ONE END OF THE INTERIOR BRACED WALL LINE MAY EXCEED THE 8-FOOT DISTANCE, PROVIDED THE INTERIOR BRACED WALL PANEL AT THE OPPOSITE END OF THE INTERIOR BRACED WALL LINE EXTENDS FULLY TO THE PERPENDICULAR EXTERIOR BRACED WALL LINE.

BRACING SUMMARY SECTION

BRACED WALL PANEL CONSTRUCTION FOR SEISMIC ZONE D1 (MEDFORD)

R602.10.1 - BRACING IN SEISMIC DESIGN CATEGORIES D1 AND D2,

EXTERIOR BRACED WALLLINES SHALL HAVE A BRACED WALL PANEL LOCATED AT EACH END OF THE BRACED WALL LINE.

EXCEPTION: FOR BRACED WALL PANEL METHOD 3 OF SECTION R602.10.3, THE BRACED WALL PANEL SHALL BE PERMITTED TO BEGIN NO MORE THAN 8 FEET FROM EACH END OF THE BRACED WALL LINE PROVIDED ONE OF THE FOLLOWING IS SATISFIED:

1. A MINIMUM 24-INCH-WIDE PANEL IS APPLIED TO EACH SIDE OF THE BUILDING CORNER PER FIGUE R602.10.5, OR

2. FOR CONTINUOUSLY SHEATHED WALLS, THE END OF THE PANEL CLOSEST TO THE CORNER SHALL HAVE AN 1,800 LB. TIE DOWN.

3. FOR SEGMENTAL WALL BRACING, THE END OF EACH SIDE OF THE BRACED PANEL SHALL HAVE AN 1,800 LB. TIE DOWN.

TABLE 602.10.5: BRACED WALL PANEL LENGTH REQUIREMENTS FOR A CONTINUOUSLY SHEATHED WALL

8' WALL / SYMBOL	9' WALL / SYMBOL	10' WALL / SYMBOL	MAXIMUM OPENING HEIGHT OF BRACED WALL LINE (% OF WALL HEIGHT)
32" 8'-32" BWP	36" 9'-36" BWP	40" 10'-40" BWP	85%
24" 8'-24" BWP	27" 9'-27" BWP	30" 10'-30" BWP	67%

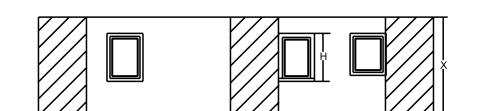
TABLE R602.1.3(2): CONTINUOUSLY SHEATHED WALL - AMOUNT OF BRACING REQUIRED (25' O.C. MAXIMUM)*

	CONDITION	MAXIMUM OPENING HEIGHT 67%	% x 0.57	MAXIMUM OPENING HEIGHT 85%	% x 0.57
SEISMIC CATEGORY D1	1ST OR TOP STORY	16%	9.12 %	18%	10.26 %
OR 110 MPH OR LESS	1 OF 2, OR 2 OF 3	36%	20.52 %	40.5%	23.08 %
	1 OF 3	40%	22.80 %	54%	30.78 %

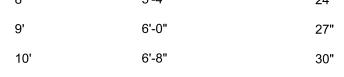
*THESE AMOUNTS MAY BE REDUCED BY .57 IF THE PANEL THICKNESS IS MIN. 7/16 INCH AND NAILED WITH 8d NALES WITH 4 INCH SPACING AT PANEL EDGES. THE AMOUNT OF BRACING MAY NOT BE LESS THAN THAT REQUIRED FOR THE SITES WIND SPEED FOR METHOD 3 IN TABLE R602.10.3(1).

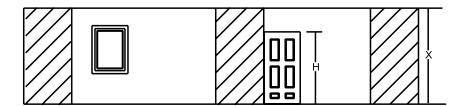
CONTINUOUSLY SHEATHED WALLS:

CALCULATE THE WALL OPENING PERCENTAGE (H/X) AND USE THE APPROPRIATE DIAGRAM



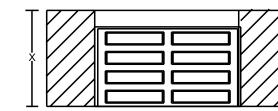
MAXIMUM OPENING HEIGHT (H) IS NOT MORE THAN 67% OF WALL HEIGHT X (HEIGHT) H MAX. MIN. BRACED PANEL WIDTH (INCHES) 8' 5'-4" 24"





MAXIMUM OPENING HEIGHT (H) IS NOT MORE THAN 85% OF WALL HEIGHT X (HEIGHT) H MAX. MIN. BRACED PANEL WIDTH (INCHES)

X (HEIGHT)	I I WAX.	WIIN. DIVACED I ANEL WIDTH (
8'	6'-10"	32"
9'	7'-8"	36"
10'	8'-6"	40"



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FULL-HEIGHT SHEATHED WALL SEGMENTS TO EITHER SIDE OF GARAGE OPENINGS THAT SUPPORT LIGHT FRAME ROOFS SHALL BE PERMITTED TO HAVE A 4:1 ASPECT RATIO.

4:1 ASPECT RATIO.
USE (2) 1/2" X 10" ANCHOR BOLTS @E EACH WALL
SEGMENT - NO ADDITIONAL HOLD-DOWNS REQUIRED.

X (HEIGHT)	MIN. BRACED PANEL WIDTH (INCHES
8'	24"
9'	27"
10'	30"

